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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | · · |
|---|---------------|----------------------|---------------------|--------------|
| 09/911,305 | 07/23/2001 | Tetsuo Fukami | 10873.770US01 | 3596 |
| 75 | 90 09/10/2003 | | ` | |
| Merchant & Gould P.C. | | | EXAMINER | |
| P.O. Box 2903 Minneapolis, MN 55402-0903 | | | DUONG, TAI V | |
| | | • | ART UNIT | PAPER NUMBER |
| • | | | 2871 | |

DATE MAILED: 09/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application N . | Applicant(s) | | | | |
|---|---|--|--|--|--|--|
| • • • • • • • • • • • • • • • • • • • | 09/911,305 | FUKAMI ET AL. | | | | |
| Offic Action Summary | Examiner | Art Unit | | | | |
| | TAI DUONG | 2871 | | | | |
| The MAILING DATE of this communica Period for Reply | tion appears on the cover sheet w | vith the correspondence address | | | | |
| A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communic - If the period for reply specified above is less than thirty (30) did If NO period for reply is specified above, the maximum statute - Failure to reply within the set or extended period for reply will, - Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b). Status | ATION. 7 CFR 1.136(a). In no event, however, may a cation. ays, a reply within the statutory minimum of thiory period will apply and will expire SIX (6) MO. by statute, cause the application to become A | reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. NBANDONED (35 U.S.C. § 133). | | | | |
| 1) Responsive to communication(s) filed | on <u>25 July 2003</u> . | · | | | | |
| 2a) This action is FINAL . 2b) |)⊠ This action is non-final. | | | | | |
| 3) Since this application is in condition for closed in accordance with the practice | or allowance except for formal ma e under <i>Ex parte Quayle</i> , 1935 C | atters, prosecution as to the merits is .D. 11, 453 O.G. 213. | | | | |
| Disposition of Claims | . the coefficien | • | | | | |
| | Claim(s) 1,2 and 4-17 is/are pending in the application. | | | | | |
| | 4a) Of the above claim(s) <u>4-12 and 14-17</u> is/are withdrawn from consideration. | | | | | |
| 5) Claim(s) is/are allowed. | | | | | | |
| 6) Claim(s) <u>1,2 and 13</u> is/are rejected. | | | | | | |
| 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restrictio | n and/or election requirement | | | | | |
| Application Papers | in ana/or ciconon requirement. | | | | | |
| 9)⊠ The specification is objected to by the E | Examiner. | | | | | |
| 10)⊠ The drawing(s) filed on <u>23 July 2001</u> is/s | are: a)⊠ accepted or b)□ objecte | d to by the Examiner. | | | | |
| Applicant may not request that any object | tion to the drawing(s) be held in abe | yance. See 37 CFR 1.85(a). | | | | |
| 11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner. | | | | | | |
| If approved, corrected drawings are required in reply to this Office action. | | | | | | |
| 12)☐ The oath or declaration is objected to by the Examiner. | | | | | | |
| Priority under 35 U.S.C. §§ 119 and 120 | | | | | | |
| 13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). | | | | | | |
| a)⊠ All b)□ Some * c)□ None of: | | | | | | |
| 1.⊠ Certified copies of the priority documents have been received. | | | | | | |
| 2. Certified copies of the priority do | ocuments have been received in | Application No | | | | |
| 3. Copies of the certified copies of application from the Internati * See the attached detailed Office action f | ional Bureau (PCT Rule 17.2(a)) | | | | | |
| 14)☐ Acknowledgment is made of a claim for | · | | | | | |
| a) The translation of the foreign langu | uage provisional application has | been received. | | | | |
| Attachment(s) | and of order | ••• | | | | |
| 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO-1449) Paper | 0-948) 5) Notice o | w Summary (PTO-413) Paper No(s) If Informal Patent Application (PTO-152) | | | | |

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Applicant's election of Species A (Figs. 1A-B), claim 3, in Paper No. 6 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claims 4-12 and 14-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim.

Amended claim 1 is no longer generic because it is the combination of original claims 1 and 3.

The disclosure is objected to because it is not consistent with the drawings. Figs. 1A-B and 2 show that the overlapping portion of the pixel electrode 3 with the <u>common</u> electrode 4 is a capacitive accumulation portion 7, not with the <u>opposing</u> electrode 8 as disclosed at lines 21, 25 and 31 of page 8, and lines 1 and 6 of page 9. Appropriate correction is required.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 2 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is not consistent with the specification and the drawings because it recites "wherein the value of the storage capacity in said capacitive accumulation

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portion is varied by forming an aperture in the electrode comprising said capacitive accumulation". The value of the storage capacity in said capacitive accumulation portion is not varied by the step of forming an aperture in the (common) electrode, but is varied by varying the apertures in the common electrode at the pixel areas of adjacent pixels. For example, the value of the storage capacity in the capacitive accumulation portion is not varied or changed by forming the same aperture in the common electrode comprising said capacitive accumulation. Also, in line 6, the recited feature "the respective pixels" lacks antecedent basis. In addition, lines 6-8, the recited feature " a value of a storage capacity ... the value on the feeding side being larger than the value on the termination side" is confusing because it refers as that the liquid crystal display has only one pixel electrode, one storage capacity and one capacitive accumulation portion. This issue is also applied to the value of the storage capacity of claim 2. In claim 1, line 10, ("by forming an aperture in the electrode comprising said capacitive accumulation"), it is unclear in which electrode, pixel electrode or common electrode, that the aperture is formed. Claims 2 and 13 are also rejected since they depend on the indefinite claim.

The following is a statement of reasons for the indication of allowable subject matter:

None of the prior art of record discloses or suggests that the value of the storage capacity of the capacitive accumulation of the pixel at the signal terminal side is larger than that of the pixel at the side opposite to that the signal terminal side, wherein the value of the storage capacity in the capacitive accumulation of one pixel is different from

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that of the pixel adjacent to said one pixel by varying the aperture in the common electrode of said adjacent pixel with respect to the aperture of said one pixel.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Takagi discloses the width of gate line becomes narrower and thereby capacitance of auxiliary capacitor portions becomes smaller as the distance from the gate signal input portion becomes larger.

Any inquiry concerning this communication should be directed to Tai Duong at telephone number 703 308-4873.

KENNETH PARKER PRIMARY EXAMINER

TVD